In the Claims

Please replace all prior versions, and listings, of claims in the application with the following list of claims:

1.   (Currently Amended) A method for identifying at least one human coding region/gene, including mutated or polymorphic variants thereof, which is associated with a bipolar ~~mood disorder or related~~ disorder, comprising:

identifying the position of a coding region/gene in an 8.9 cM region of human chromosome 18q disposed between polymorphic markers D18S68 and D18S979 or a fragment thereof that can be compared to an equivalent region of DNA from a person afflicted with a bipolar ~~mood disorder or a related~~ disorder, and

detecting differences between the coding region/gene of the 8.9 cM region of human chromosome 18q disposed between polymorphic markers D18S68 and D18S979 or a fragment thereof and equivalent region in the DNA of an individual afflicted with a bipolar ~~mood disorder or related~~ disorder, wherein a difference in the coding region/gene and the equivalent region identifies the coding region/gene or mutated or polymorphic variant thereof as associated with the bipolar ~~mood disorder or related~~ disorder.

2.   (Currently Amended) A method for identifying at least one human coding region/gene, including mutated or polymorphic variants thereof, which is associated with a bipolar ~~mood disorder or related~~ disorder, comprising:

identifying the position of a coding region/gene in a YAC clone comprising a portion of human chromosome 18q disposed between polymorphic markers D18S60 and D18S61 that can be compared to an equivalent region of DNA from a person afflicted with a bipolar ~~mood disorder or a related~~ disorder, and

detecting differences between the coding region/gene of the YAC clone comprising a portion of human chromosome 18q disposed between polymorphic markers D18S60 and D18S61 and the equivalent region of DNA of an individual afflicted with a bipolar ~~mood disorder or related~~ disorder, wherein a difference in the coding region/gene and the equivalent

region of DNA identifies that the coding region/gene or mutated or polymorphic variant thereof is associated with the bipolar mood disorder or related disorder.

3.   (Previously Presented) The method of claim 2 wherein said portion comprises the region of chromosome 18q between polymorphic markers D18S68 and D18S979 or a fragment of said region.

4.   (Previously Presented) The method of claim 2 wherein said YAC clone is 961_h_9, 942_c_3, 766_f_12, 731_c_7, 907_e_1, 752_g_8 or 717_d_3.

5.   (Previously Presented) The method of claim 4 wherein said YAC clone is 961_h_9, 766_f_12 or 907_e_1.

6-47.   (Cancelled)